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*Bestwall Gypsum Company*BESTWALL GYPSUM
FOR PAOLI LABORATORY

DATE 12 16 58

FROM Grand Rapids

OFFICE

ATTENTION OF Mr. C. G. Shuttleworth

SUBJECT Acoustical Plaster

ANSWERING YOURS

DICTATED BY E. Reverski - mk

CC: Mr. J. O. Vaughey - Detroit Sales
 Mr. L. Kaboos - Detroit S/R
 Mr. A. H. Ten Elshof - Grand Rapids
 Mr. J. R. Watt - Paoli

Re: L. C. Monroe
 Muskegon, Michigan
 Wes. Garvey - Plasterer

Mr. Kaboos brought back to the Grand Rapids laboratory last Friday two samples of natural colored acoustical plaster from a job in Muskegon, Michigan, Wes. Garvey, plasterer. On November 26, 1958, we shipped L. C. Monroe 30 - 40 lb. sacks of natural color acoustical plaster and 10 bags of the special white. The 30 bags were shipped from two sacking periods, one on October 14 (K-14) and the other on November 25 (L-25). When applying, the plasterers noted a difference in the two lots. K-14 had a T.C. of 252 cc and L-25 a T.C. of 300 cc. K-14 was lighter in color and finer textured. L-25 was darker and seemed to contain more of or a longer fibering. They preferred to apply the higher T.C. L-25 material. Mr. Kaboos asked if I would send the samples on to Paoli so they are being sent along with other acoustical samples.

I believe the difference in the acoustical of the two days to be due mainly to a difference in the perlite. It is conceivably within the bonds to be expected in perlite variation. Paoli may have a different opinion after examining the samples.

Messrs. Ten Elshof, Shuttleworth and Watt Only:

At first, due to the longer fibers, I thought extra asbestos was added to the L-25 sacking period or the asbestos varied.

Assuming a Basis of 100 Lbs. Acoustical:

There is 27.2 lbs. of asbestos per 100#.

300 lbs. - 252 lbs. = 48 lbs. variation in water of the job samples.

Assume the asbestos to have a T.C. of 275 cc, then 27.2 lbs. will carry 71.5# of water.

At a max. T.C. of 340, the asbestos will carry 93.7 lbs. of water.

93.7 - 71.5 = 22.2 max. difference in T.C. that could be obtained by the asbestos while variation here is 48 lbs.

Since this is not 1/2 of the variation obtained, I had to discount the asbestos as being the malfactor. Also, as to improper weight of asbestos going in per charge, when we got over to the white, the T.C. dropped from 300 and 288 to 252 cc on November 11, 1958. This was all on the same day and since 81-3/4 lbs. of asbestos is added per charge, I could not see an error in the quantity of asbestos added.

It may be a combination of both asbestos and perlite to change the T.C. The puzzling thing is the difference in appearance of the L-25 acoustic in that it is darker and appears more fibrous. The T.C. range of acoustic used on the Kalamazoo job was as follows: (Two lots were shipped also) The J-22s - T.C.s ran 260-250-260 and 255. The K-14s were: Natural 244 cc and the whites were 260-252-268-260-268-276 and 280 cc.

Along with the job samples, we sent our retained sample of the 2nd charge of L-25 with a T.C. of 300 cc and a sample of the white acoustical made L-25 with a T.C. of 252 cc.

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